

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("4891777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/28 12:42
S1	6	(("2003209130") or ("4042777") or ("4549279") or ("5557057") or ("4065650") or ("5648630") or ("5565641")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/22 08:41
S2	637	(84/423r).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/22 08:47
S3	1567	((84/423r) or (84/3) or (84/290) or (84/425) or (84/428,429) or (84/433) or (84/423b) or (84/442,443) or (84/174)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/22 08:53
S4	2312	((84/600-602) or (84/622- 625) or (84/644,645)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/22 08:55
S5	12	(S3 or S4) and ((key or touchbutton or pushbutton or button or knob) near5 (circle or circular\$3 or round\$3 or radi\$4 or surround\$3 or encirc\$3 or curv\$3 or disk or encompass\$4 or curl\$3 or bent or bend\$4 or arch \$3 or bow\$3)).ab,ti.	US-PGPUB; USPAT	ADJ	ON	2009/07/22 09:01
S6	15	(allan near stewart).in.	US-PGPUB; USPAT	ADJ	ON	2009/07/22 09:14
S7	3	(("20020005111") or ("5841052") or ("5313010")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/22 09:15
S8	35872	"84".clas.	US-PGPUB; USPAT	ADJ	ON	2009/07/22 09:16

S9	66	S8 and (((key or touchbutton or pushbutton or button or knob) near3 (circle or circular\$3 or round\$3 or radi\$4 or surround\$3 or encircl\$3 or curv\$3 or encompass\$4 or curl\$3 or bent or bend\$4 or arch\$3 or bow\$3)) with (finger or thumb or hand or falang \$3 or phalang\$3))	US-PGPUB; USPAT	ADJ	ON	2009/07/22 09:18
S10	20	("1571431" "2049564" "2061364" "2142580" "3012460" "3067645" "3342094" "3468209" "3916754" "3922944" "4031800" "4655117").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/22 09:27
S11	5	("4867028" "4924741" "5115706" "5403972" "5434350").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/22 09:28
S12	4	("3938419" "4203338" "4919032" "5668340").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/22 09:28
S13	14	("2049564" "3943811" "4384503" "4966052" "4972752" "5434350" "5557057" "5619003" "5741990" "5841052" "5856628" "5900571" "6018119").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/22 09:28
S14	15	(S10 or S11 or S12 or S13) and (radi\$4 or diameter or meter or centimeter or cm)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/07/22 09:29
S15	1	("4891777").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/22 10:06
S19	35882	"84".clas.	US-PGPUB; USPAT	ADJ	ON	2009/07/23 08:52
S20	3765	S19 and ((button or key or input or pushbutton or touch\$3 or press\$3 or actuat\$3) near5 (pitch or note or sound or audio audibl\$1 or tone or semi or semiton\$4 or half or halfstep or frequenc\$3)).ab,clm.	US-PGPUB; USPAT	ADJ	ON	2009/07/23 08:52

S21	699	S20 and (((button or key or input or pushbutton or touch\$3 or press\$3 or actuat\$3) near3 (together or joint\$3 or collectiv\$4 or once or time or simultaneous\$4)) with ((chang\$4 or alter\$4 or modify\$3 or modifie\$1 or different or another or vary\$3 or adjust\$4))	US-PGPUB; USPAT	ADJ	ON	2009/07/23 08:52
S22	436	S21 and ((together or joint \$3 or collectiv\$4 or once or time or simultaneous \$4) with ((chang\$4 or alter \$4 or modify\$3 or modifie \$1 or different or another or vary\$3 or adjust\$4) near3 (pitch or note or sound or audio audibl\$1 or tone or semi or semiton \$4 or half or halfstep or frequenc\$3)))	US-PGPUB; USPAT	ADJ	ON	2009/07/23 08:54
S23	2	(("4342244") or ("20030167907")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/23 12:54
S28	35882	"84".clas.	US-PGPUB; USPAT	ADJ	ON	2009/07/24 13:29
S29	231	((button or switch\$3 or key or knob or dial or sens \$3) near3 (fretboard or neck or fingerboard)).ab, ti.	US-PGPUB; USPAT	ADJ	ON	2009/07/24 13:29
S30	24	S29 and guitar	US-PGPUB; USPAT	ADJ	ON	2009/07/24 13:30
S31	36344	"84".clas.	US-PGPUB; USPAT	ADJ	ON	2010/02/01 08:44
S32	20	S31 and ((central\$3 or center\$3 or centraliz\$4 or middle) near5 ((surround \$4 or circumferential\$3 or circumfer\$4 or around or about or contain\$3 or encircl\$3 or enclos\$3 or cluster\$3 or group\$3 or collection or set) near3 (key or button or keyboard))).ab,ti,clm.	US-PGPUB; USPAT	ADJ	ON	2010/02/01 08:50

S33	25	S31 and ((central\$3 or center\$3 or centraliz\$4 or middle) near5 ((surround \$4 or circumferential\$3 or circumfer\$4 or around or about or contain\$3 or encircl\$3 or enclos\$3 or cluster\$3 or group\$3 or collection or set) near3 (note or tone or tonal or pitch or chord or chordal or octave))).ab,ti,clm.	US-PGPUB; USPAT	ADJ	ON	2010/02/01 08:53
S34	6503	((cluster\$3 or group\$3 or collection or set or array or matrix or arrangement) near3 (key or button or keyboard or keypad)).ab,ti.	US-PGPUB; USPAT	ADJ	ON	2010/02/01 13:34
S35	3941	S34 and ((siz\$3 or length or diameter or inch or meter or milimeter or centimeter or cm or mm or in or radi\$3 or width or long) near3 (key or button or keyboard or keypad))	US-PGPUB; USPAT	ADJ	ON	2010/02/01 13:36
S36	3453	S35 and ((siz\$3 or length or diameter or key or button or keyboard or keypad or radi\$3 or width or long) near3 (inch or meter or milimeter or centimeter or cm or mm or in))	US-PGPUB; USPAT	ADJ	ON	2010/02/01 13:37
S37	168	S36 and ((key or button or keyboard or keypad) near3 (inch or meter or milimeter or centimeter or cm or mm))	US-PGPUB; USPAT	ADJ	ON	2010/02/01 13:37
S38	107	S36 and ((key or button or keyboard or keypad) near3 (meter or milimeter or centimeter or cm or mm))	US-PGPUB; USPAT	ADJ	ON	2010/02/01 13:38
S39	8	((("6801190") or ("4400593") or ("5170348") or ("4310753") or ("5088070") or ("4109315") or ("4250571") or ("20020149566"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/02 11:45

S41	4	S39 and ((music or musical \$3 or song or sound or audi\$4 or indicat\$4) near5 (key or keypad or button or touch\$3 or strik\$3 or hit \$4 or sens\$4))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 11:55
S42	1	S39 and ((music or musical \$3 or song or sound or audi\$4))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 11:56
S43	150	(84/744).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/24 08:43

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S25	769	(key near3 center).clm.	USPAT; UPAD	ADJ	ON	2009/07/24 08:02
S26	2	S25 and (finger near3 play\$3).clm.	USPAT; UPAD	ADJ	ON	2009/07/24 08:03
S27	0	S26 and ((max or maximum) diameter).clm.	USPAT; UPAD	ADJ	ON	2009/07/24 08:04

6/ 28/ 2010 12:49:49 PM

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